

PINK BOLLWORM PROGRAM

SILVERLEAF WHITEFLY REPORT FOR THE SAN JOAQUIN VALLEY

2nd Report

2007



SILVERLEAF WHITEFLY REPORT - No. 2

Sampling Period: 7/30/07 - 8/10/07

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Kern County:

One hundred percent of the 59 sample sites were surveyed. Eleven of the sites sampled (18.6%) were positive for silverleaf whitefly and forty-three sites (72.9%) were positive for aphids. Of the 590 leaves sampled, only 25 leaves (4.2%) had any whitefly nymphs. There were 22 leaves (3.7%) with 1 - 5 nymphs per leaf and 3 leaves (0.5%) with 6 – 49 nymphs per leaf. Mites were found at twenty-one sites (35.6%), three sites (5.1%) had armyworm, and four sites (6.8%) had other whitefly species present on the leaves.

Kings County:

One hundred percent of the 69 sample sites were surveyed. Sixteen of the sites (23.2%) were positive for silverleaf whitefly and nineteen sites (27.5%) were positive for aphids. Of the 690 leaves sampled, only 41 leaves (5.9%) had any whitefly nymphs, and all of these were in the 1 - 5 nymphs per leaf range. Eleven sites (15.9%) had leaves infested with mites, two sites (2.9%) had armyworm, but none of the sites had other whitefly species present.

Tulare County:

One hundred percent of the 18 sample sites were surveyed. Nine sites (50.0%) were positive for silverleaf whitefly and seven sites (38.9%) were positive for aphids. Of the 180 leaves sampled, only 36 leaves (2.0%) had any whitefly nymphs. There were Twenty-eight leaves (15.6%) with 1 - 5 nymphs per leaf and eight leaves (4.4%) with 6 – 49 nymphs per leaf. There were three sites (16.7%) infested with mites, but none of the sites had any armyworm or other whitefly species present.

Fresno County:

One hundred percent of the 81 sample sites were surveyed. Four sites (4.9%) were positive for SLWF and forty-four sites (54.3%) were positive for aphids. Of the 810 leaves sampled, only nine leaves (1.1%) had any whitefly nymphs. There were eight leaves (1.0%) with 1 – 5 nymphs per leaf and one leaf (0.1%) with 6 – 49 nymphs per leaf. Twenty-four sites (29.6%) had leaves infested with mites, seven sites (8.6%) had armyworm, and one site (1.2%) had other whitefly species present.

Madera County:

One hundred percent of the 4 sample sites were surveyed. None of the sites sampled were positive for SLWF and one site (25.0%) was positive for aphids. Two sites (50.0%) were infested with mites, while none of the sites had armyworm, but one site (25.0%) had other whitefly species present.

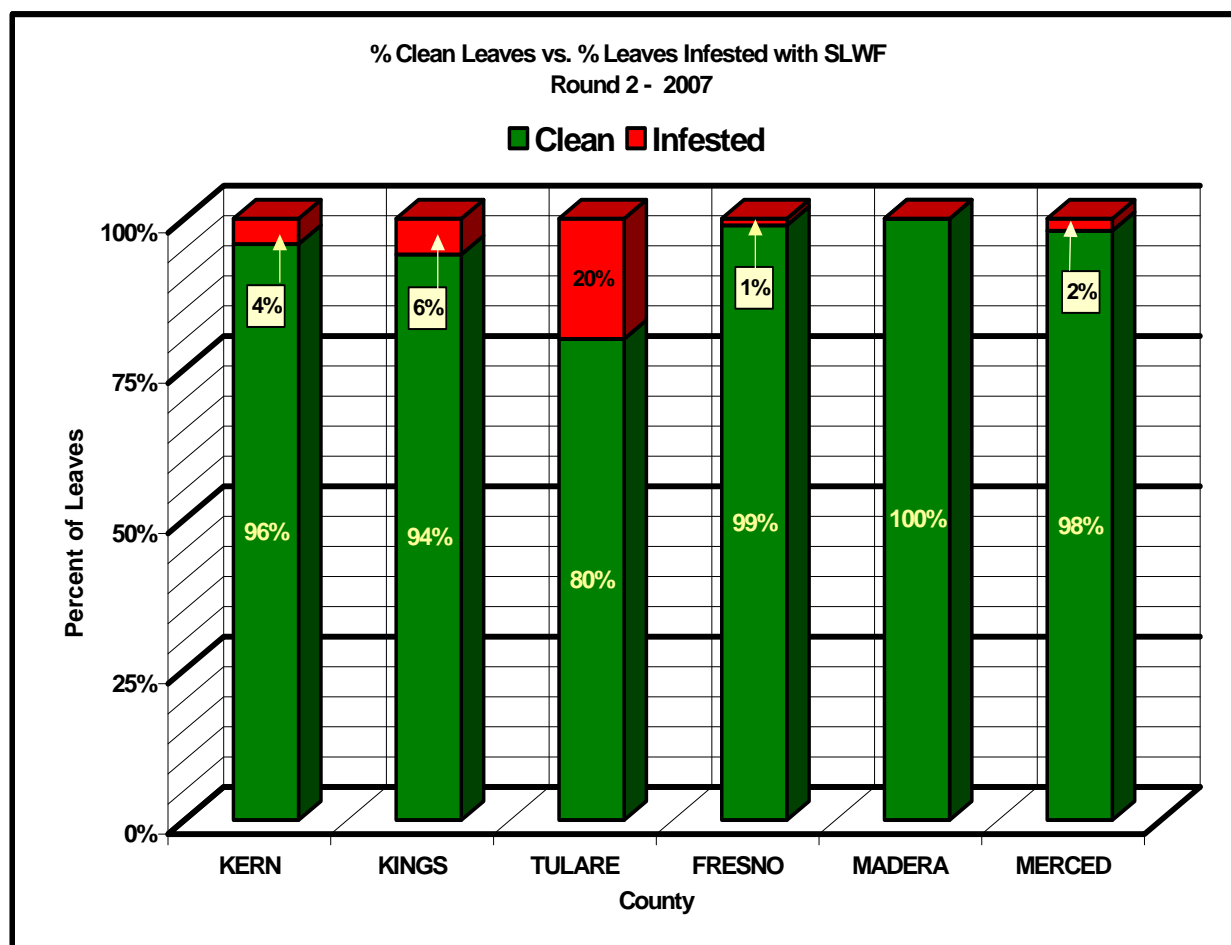
Merced County:

One hundred percent of the 25 sites were surveyed. Four of the sites (16.0%) were positive for SLWF and thirteen sites (52.0%) were positive for aphids. Of the 250 leaves sampled, only 5 leaves (2.0%) had any whitefly nymphs and all of these were in the 1 – 5 nymphs per leaf range. Five sites (20.0%) had leaves infested with mites, two sites (8.0%) had other whitefly species present, and one site (4.0%) had armyworm.

SLWF Leaf Counts – 2nd Round

7/30/07 to 8/10/07

NO. LEAVES IN EACH RANGE OF NYMPHS PER LEAF							
COUNTY	SAMPLE SITES	0	1-5	6-49	50+	NO. LEAVES	NEW SITES INFESTED
KERN	59	565	22	3	0	590	9
KINGS	69	649	41	0	0	690	7
TULARE	18	144	28	8	0	180	3
FRESNO	81	801	8	1	0	810	4
MADERA	4	40	0	0	0	40	0
MERCED	25	245	5	0	0	250	3
TOTALS	256	2,444	104	12	0	2,560	26



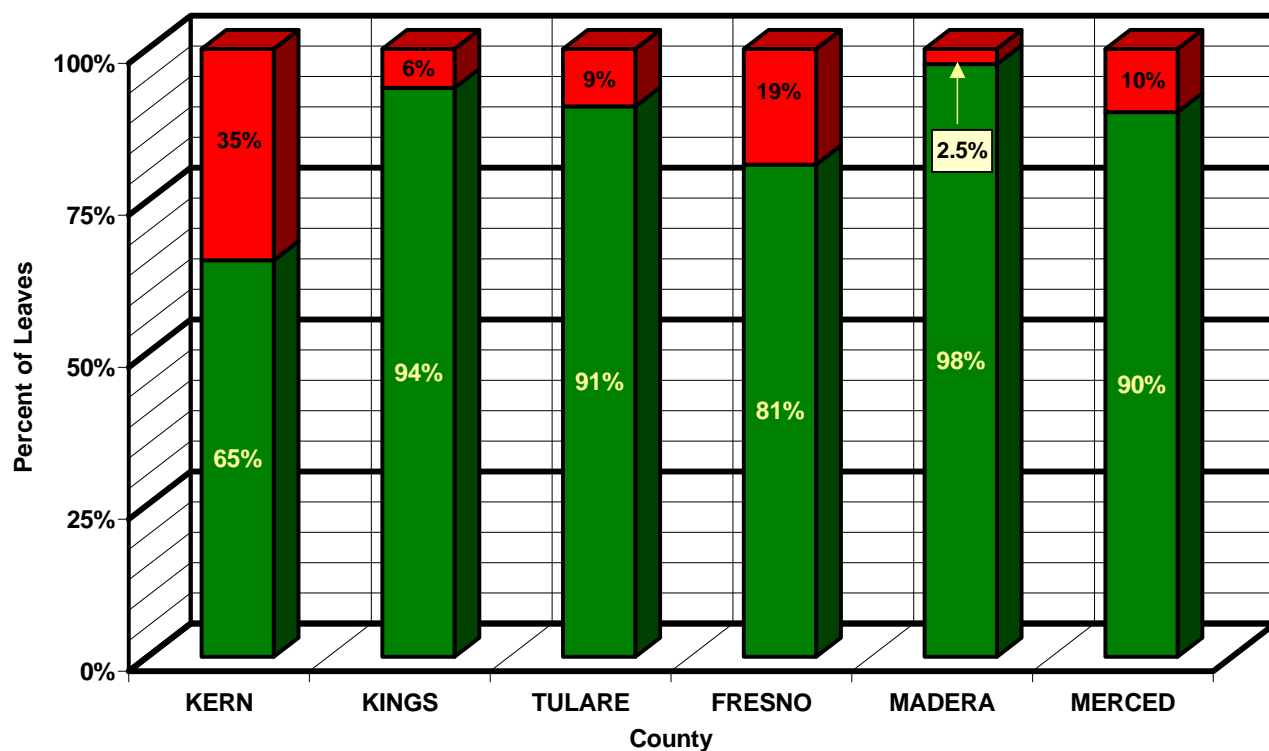
APHID Leaf Counts – 2nd Round

7/30/07 to 8/10/07

NO. LEAVES IN EACH RANGE OF APHIDS PER LEAF							
COUNTY	SAMPLE SITES	0	1-5	6-49	50+	NO. LEAVES	NEW SITES INFESTED
KERN	59	385	136	66	3	590	6
KINGS	69	646	38	6	0	690	12
TULARE	18	163	10	6	1	180	4
FRESNO	81	656	128	26	0	810	25
MADERA	4	39	1	0	0	40	0
MERCED	25	224	24	2	0	250	8
TOTALS	256	2,113	337	106	4	2,560	55

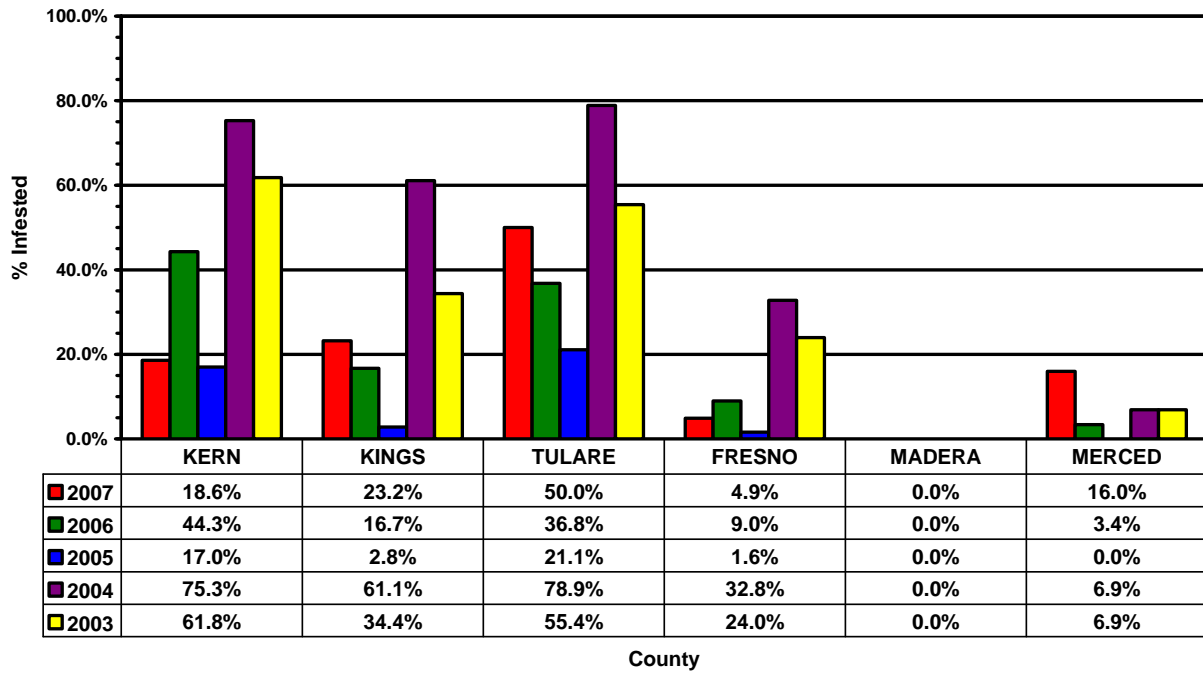
% Clean Leaves vs. % Leaves Infested with APHIDS
Round 2 - 2007

■ Clean ■ Infested



**% Sampling Sites Infested - Round 2
2003 - 2007**

■ 2007
 ■ 2006
 ■ 2005
 ■ 2004
 ■ 2003



OTHER PESTS - 2nd Survey Round 2007

■ Other Whitefly
 ■ Mites
 ■ Armyworm

